

Product datasheet for **RR209159**

PPP4r4 (NM_001134632) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp4r4 (NM_001134632) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp4r4
Synonyms:	RGD1560932
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR209159 representing NM_001134632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCATCCGCCGCCGCCGACGCCGGCGTCGCGATGGATTTCCGGCAGAACAGCCTGTTCCGCTACATGG
 AGGACCTGCAGGAACCTACCATCATCGAGAGCGCGTCCGCCGAGCCTCAAGACACCAGAAGAAATAGA
 AAGATTGACTGTTGATGAAGACCTCAGTGATATTGACAGGGCTGTTTATCTGCTCAGTGCTGGTCAAGAT
 ATCCAAGGAGCAAGTGTGATTGCAAATCTTCCATTTTTGATGCGACAGAATCCTACCAGACACTTCGGA
 GAGTCTTACCCAAAGTCAGAGAAGTCTGCATGTTGCAAGCGTGGAAATGCAGATAACGGCTGCAGTGTC
 CTTCTGACCATCCTCAGGAAGAATCAATGTCAGTCCACACGTTTGCACACTCCTTCTGCAAGTCATT
 CTCCTGCACCTGGAGCACAGGGATACAGGTGTCAGCAATGCATGGCTGGAACACTTCTCTGTCAGTAG
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 GACTGTCCAGTCGCGTTTGTAGCTGTAAAGTTTTAGGAAAACTAACCAACAAATTTGATGCCCATAGC
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 CTTGACATGTTTGATACAGGAATTTTCACTCCAGATCAGCACTTGGAGTTTTTGAATTTTATAAGAAAC
 TTTGTACACTGGGTTTGAACAAGAAAATGGCCACAATGAAAGCCAGATTCCATCCCAAATCGTAGAGCA
 GGAGAAGAAATACACTTCAGTACGAAAGAACTGTGCTTACAATTTCCGGCCATGATTGTTTTTGTGAT
 CCTAAAACTTCCACATGGAAGTCTATTCTACATCTTCTGCCTTTGCCATGACCCTGAAGTACCAGTCA
 GATACACTATTGCTATTTGCTTTTATGAAGTATCTAAACTTCTGAATTTGGAGTACATTAATACACAA
 GGAAGTATAACATTGTTACAAGATGAGTCACTGGAGGTAAGTACTAGATGCTCTTATAAATCACCTCCCAGAA
 ATCTTGGAACTTATGTCTACTGGTGGAGAAAACAGTGTTCAGGAAAATAAGTTCTCCTCACTGCCAGACT
 TGATTCCAGCACTCACGGCCGCTGAGCAGCGAGCTGCAGCCTCTCTGAAGTGGAGGACCCATGAGAAGCT
 GCTGCAGAAATACACCTGCCTGCCTCACATCATATCGAGCGATCAGATTTATTACCGTTTCTTACAAGA
 ATGTTCCACATCATGATGACCAATAACGTCTTACCTGTCCAAAGAGCCGAGCACGAACTCTGTGCATTT
 TTCTACGATATAATCGCAAACAAGAGCAGAGGCATGAAGTCATTCAAAAGTTAATTGAACAGTTGGGTCA
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 TCATTTTTCTGCAATATTTCTTTCTACCTGTTATTGAACTAACACATGACCCAGTGGCAAATGTGAGAA
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 GCATCAGAATGACGGGAGGTTGACCAGCGACAAAAGCTTTGAGAAGAAACGCAGAGACTCCAGGACACCA
 ACACAGAGCCTGTCCAAGAATGCGGCCATTTCTGTTCTGGACCTCTTCTAGCACCCGTCACAAGCA
 AAGAAATCAAGAAATCCAAATGACTCGAAGCCAATCTTTAATAATCAAGCTTTTCATGCAAAAATATGG
 CACCTTAGACAAGTGTGTTAGTAAAAGTCCACCTTAGCACACTCGTCTTCTGTCTCAGGGCTGGTGAGG
 CCGCCATGCTGCTCACTAACTGATGACTATCCGGACTCGCAATACCAGTAGTGTTCGTTCCGGCTA
 ACTTTTCTCCTAACCTGTCTTGCCAGCACTTCCCGTGGCCAGAAAATCCAGAAAGTCCAATTCTTAA
 GTCAACTGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209159 representing NM_001134632
 Red=Cloning site Green=Tags(s)

MHPPPPDAGVAMDFGQNSLFGYMEDLQELTIIERPVRRSLKTPEEIERLTVDEDLSDIDRAVYLLSAGQD
 IQGASVIANLPFLMRQNPTELRRVLPKVREVLHVASVEMQITAAVSFLTILQEESSMSVHTFAHSFLQVI
 LLHLEHRDGTGSNAWLETLLSAVELLPKETLRHEILNPLVSKAQLSQTVQSRLVSCKILGKLTNKFDAHS
 IKREILPLVKSLCQDVEYEVRSQCRQLENIAQIGIGTELTKNVVLPVPELIELSRDESGSVRLAAFETLVNM
 LDMFDTGIFTPDQHLRFLEFYKKLCTGLQQENGHNESQIPSQIVEQEKKYTSVRKNCAYNFPAMIVFVD
 PKNFHMELYSTFFCLCHDPEVPVRYTIAICFYEVSKLLNSGVHLIHKELITLLQDESLEVLDALINHLPE
 ILELMSTGGENSQENKFSLLPDLIPALTAEEQRAAASLKWRTHEKLLQKYTCLPHIISDQIYYRFLQR
 MFTIMMTNNVLPVQRAAARTLCIFLRYNRKQEQRHEVIQKLIQQLGQGSYWNRLRFLDTCEFIIEIFSR
 SFFCKYFFLPVIELTHDPVANVRMKLCYLLPKVKSALKIPADMHLLQQLMCMVRKLLCQEKDKDVLAIK
 KTVLELDRMEMSMDMFQKKNYENDLLDQEKEREELLFLEMEQLEKEKHQNDGRLTSDKSFEKRRDSRTP
 TQSLSKNAAISVPGSSSTPSTSKEIKKSKLTRSQSFNNQAFHAKYGTLDKCVSKSSTLAHSSSVSGLVR
 PAMLSLTDDSFRTNTSSVSPANFSPNPVLPSTSRGPENPESILKSTAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001134632

ORF Size: 2463 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001134632.1](#), [NP_001128104.1](#)

RefSeq Size: 3520 bp

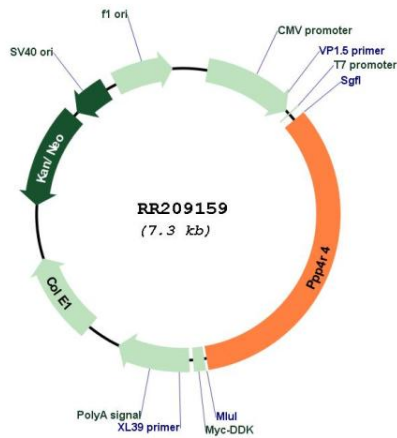
RefSeq ORF: 2466 bp

Locus ID: 500711

Cytogenetics: 6q32

MW: 93.8 kDa

Product images:



Circular map for RR209159